

## Contents of *Aquatic Botany*, Volume 48

**VOL. 48 NO. 1****APRIL 1994**

Omnipresence of Labyrinthulaceae in seagrasses L.H.T. Vergeer and C. Den Hartog (Nijmegen, The Netherlands) .....	1
The effects of timing and duration of floods on growth of young plants of <i>Phalaris arundinacea</i> L. and <i>Urtica dioica</i> L.: an experimental study J. Klimešová (Třeboň, Czech Republic) .....	21
Intraspecific variability of <i>Zostera marina</i> L. (eelgrass) in the estuaries and lagoons of the southwestern Netherlands. I. Population dynamics F. Van Lent (Nijmegen, The Netherlands) and J.M. Verschuur (Yerseke, The Netherlands) .....	31
Intraspecific variability of <i>Zostera marina</i> L. (eelgrass) in the estuaries and lagoons of the southwestern Netherlands. II. Relation with environmental factors F. Van Lent (Nijmegen, The Netherlands) and J.M. Verschuur (Yerseke, The Netherlands) .....	59
Production of <i>Isoetes lacustris</i> in a Pyrenean lake: seasonality and ecological factors involved in the growing period E. Gacia and E. Ballesteros (Girona, Spain) .....	77
<b>Book reviews</b>	
Indian seagrasses.....	91
Turf algae .....	92
<b>Guide for Authors.....</b>	93

**VOL. 48 NO. 2****MAY 1994**

Variations in the stable isotope composition of aquatic plants and their implications for food web analysis P.I. Boon (Albury, N.S.W., Australia) and S.E. Bunn (Nathan, Qld., Australia) .....	99
Inorganic carbon source for photosynthesis in the aquatic macrophytes <i>Potamogeton natans</i> and <i>Ranunculus fluitans</i> M. Bodner (Innsbruck, Austria) .....	109
Vegetative propagule production and allocation of carbon and nitrogen by monoecious <i>Hydrodictyia verticillata</i> (L.f.) Royle grown at two photoperiods D. Spencer, L. Anderson, G. Ksander, S. Klaine and F. Bailey (Davis, CA, USA) .....	121
The acidification capacity of wetland bryophytes as influenced by simulated clean and polluted rain A.M. Kooijman and C. Bakker (Utrecht, The, Netherlands) .....	133

## Contents of *Aquatic Botany*, Volume 48

**VOL. 48 NO. 1****APRIL 1994**

Omnipresence of Labyrinthulaceae in seagrasses L.H.T. Vergeer and C. Den Hartog (Nijmegen, The Netherlands) .....	1
The effects of timing and duration of floods on growth of young plants of <i>Phalaris arundinacea</i> L. and <i>Urtica dioica</i> L.: an experimental study J. Klimešová (Třeboň, Czech Republic) .....	21
Intraspecific variability of <i>Zostera marina</i> L. (eelgrass) in the estuaries and lagoons of the southwestern Netherlands. I. Population dynamics F. Van Lent (Nijmegen, The Netherlands) and J.M. Verschuur (Yerseke, The Netherlands) .....	31
Intraspecific variability of <i>Zostera marina</i> L. (eelgrass) in the estuaries and lagoons of the southwestern Netherlands. II. Relation with environmental factors F. Van Lent (Nijmegen, The Netherlands) and J.M. Verschuur (Yerseke, The Netherlands) .....	59
Production of <i>Isoetes lacustris</i> in a Pyrenean lake: seasonality and ecological factors involved in the growing period E. Gacia and E. Ballesteros (Girona, Spain) .....	77
<b>Book reviews</b>	
Indian seagrasses.....	91
Turf algae .....	92
<b>Guide for Authors.....</b>	93

**VOL. 48 NO. 2****MAY 1994**

Variations in the stable isotope composition of aquatic plants and their implications for food web analysis P.I. Boon (Albury, N.S.W., Australia) and S.E. Bunn (Nathan, Qld., Australia) .....	99
Inorganic carbon source for photosynthesis in the aquatic macrophytes <i>Potamogeton natans</i> and <i>Ranunculus fluitans</i> M. Bodner (Innsbruck, Austria) .....	109
Vegetative propagule production and allocation of carbon and nitrogen by monoecious <i>Hydrodictyia verticillata</i> (L.f.) Royle grown at two photoperiods D. Spencer, L. Anderson, G. Ksander, S. Klaine and F. Bailey (Davis, CA, USA) .....	121
The acidification capacity of wetland bryophytes as influenced by simulated clean and polluted rain A.M. Kooijman and C. Bakker (Utrecht, The, Netherlands) .....	133

<b>Seed germination of Mexican Podostemaceae</b>	
C. T. Philbrick (Danbury, CT, USA) and A. Novelo R. (Mexico, DF, Mexico) .....	145
<b>Seasonal changes in the <i>Sargassum</i> populations on a fringing coral reef, Magnetic Island, Great Barrier Reef region, Australia</b>	
V.C. Vuki and I.R. Price (Townsville, Qld., Australia) .....	153
<b>Multi-species algal balls and potentially imprisoned fauna: an unusual benthic assemblage</b>	
D.L. Ballantine, N.E. Aponte and J.G. Holmquist (Mayaguez, Puerto Rico) .....	167
<b>Technical communication</b>	
<b>An image analysis technique to determine the surface area and volume for dissected leaves of aquatic macrophytes</b>	
D. T. Gerber, T.J. Ehlinger (Milwaukee, WI, USA) and D.H. Les (Storrs, CT, USA) .....	175
<b>Book review</b>	
<b>Fens and bogs</b> .....	183

**VOL. 48 NOS. 3-4****JUNE 1994**

<b>Massive expansion of <i>Juncus bulbosus</i> L. after liming of acidified SW Norwegian lakes</b>	
J.G.M. Roelofs (Nijmegen, The Netherlands), T.E. Brandrud (Oslo, Norway) and A.J.P. Smolders (Nijmegen, The Netherlands).....	187
<b>An individual's status in populations of isoetid species</b>	
J. Szmeja (Gdańsk, Poland).....	203
<b>Effect of disturbances and interspecific competition in isoetid populations</b>	
J. Szmeja (Gdańsk, Poland).....	225
<b>Dimethylsulphoniopropionate (DMSP) in <i>Spartina alterniflora</i> Loisel.</b>	
M.L. Otte and J.T. Morris (Columbia, SC, USA) .....	239
<b>Evapotranspiration from a lakeshore <i>Typha</i> marsh on Lake Ontario</b>	
J.S. Price (Kingston, Ont., Canada).....	261
<b>Distribution and growth of the helophyte species <i>Phragmites australis</i> and <i>Scirpus lacustris</i> in water depth gradients in relation to wave exposure</b>	
H. Coops, N. Geilen (Lelystad, The Netherlands) and G.v.d. Velde (Nijmegen, The Netherlands) .....	273
<b>Field and greenhouse investigations on winter bud production by <i>Potamogeton gramineus</i> L.</b>	
D.F. Spencer, L.W.J. Anderson and G.G. Ksander (Davis, CA, USA).....	285
<b>In vivo esterase activity in protoplasts as a bioassay of environmental quality</b>	
J. Cachot, L.-A. Romaña (La Seyne sur Mer, France) and F. Galgani (Nantes, France) .....	297
<b>The intertidal red alga <i>Bostrychia simpliciuscula</i> Harvey ex J. Agardh from a mangrove swamp in Singapore: acclimation to light and salinity</b>	
U. Karsten, S. Koch (Bremen, Germany), J.A. West (Parkville, Vic., Australia) and G.O. Kirst (Bremen, Germany) .....	313
<b>Periphyton productivity on artificial and natural surfaces in constructed freshwater wetlands under different hydrologic regimes</b>	
J.K. Cronk and W.J. Mitsch (Columbus, OH, USA).....	325
<b>The effect of competition and salinity on shoot growth and reproductive biomass of <i>Echinochloa crus-galli</i></b>	
M. Rahman (Padang, Indonesia) and I.A. Ungar (Athens, OH, USA).....	343

**Technical communication**

Prereatment artefacts associated with the removal of calcareous epiphytes from seagrass leaves J. Nieuwenhuize, P.L.A. Erfiemeijer, Y.E.M. Maas, M. Verwaal and P.H. Nienhuis (Yerseke, The Netherlands) .....	355
<b>Book review</b>	
Ecological studies along the coast of Mauritania.....	363
<b>Author Index .....</b>	
	365

